REVIEW

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An International Bibliography on Atomic Energy, Volume 2, Scientific Aspects. Supplement No. 1, pp. 350 Atomic Energy Section ; Department of Security Council Affairs, United Nations, New York, 1952. Price $ 3.50, 25/-Stg., 14.00 Swiss frs.

This volume is a supplement of an International Bibliography on Atomic Energy, Volume 2, Scientific Aspects, published in 1951. The volume under reveiw contains a bibliography of the papers published during 1940 and 1950. The investigations have been classified under five broad lines, *viz.*, Fundamental Nuclear Science, Physics and Engineering of Nuclear Reactors, the Biological and Medical Effects of High Energy Radiations, Isotopes in Biology and Medicine and Applications of Radioactive Tracers in Non-biological Sciences and Technology. Each of these lines has been subdivided into different sections, the number of which is thirteen in the case of Fundamental Nuclear Science and smaller in the case of the other four lines. The thirteen sections in the line of Fundamental Nuclear Science are (*A*) The Stable Isotopes of the Elements, (*B*) The Spins, Magnetic Moments and Quadrupole Moments of the Nuclei, (*C*) The Acceleration of Charged Particles, (*D*) Detection of Nuclear Radiations, (*E*) Natural Radioactivity and Radioactivity Geochronology, (*F*) Artificial Disintegration of the Nucleus, (*G*) Artificial Radioactivity, (*H*) Interaction of Neutrons with Matter, (*I*) Fissionof the Atomic Nucleus and Transuranic Elements, (*J*) Passage of Charged Particles or Photons through Matter, Scattering and Pair Production, (*K*) Cosmic Rays, Meson Physics and Astrophysics, (*L*) Theory of Nuclear Structure and (*M*) Books. Some of these sections are again subdivided into sub-sections. There are four sections under the headings, (*A*) Fissionable and Moderator Materials, (*B*) Nuclear Reactors, (*C*) Atomic Energy Establishments and (*D*) Health Protection in the line, The Physics and Engineering of Nuclear Reactors.

The investigations on the Biological and Medical Effects of High Energy Radiations are classified under twelve sections, *viz.*, (*A*) General, (*B*)-(*I*), Effects of High Energy Radiations on Micro-organisms, on Cells, Blood and Tissue, on Genetics and Mutations, on Growth and Development of Organisms, on Organ Systems, on Physiology and on Botany and Agriculture ; (*J*) Medical Aspects of High Energy Radiations, (*K*) Radiation Protection and Dosage Measurements and (*L*) Technical Aspects of Instrumentation.